

Table ENG-2. - Construction Materials

Smyth County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Austinville	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.50		
		Too acid	0.89				
1C:							
Austinville	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.50	Slope	0.63
		Too acid	0.89				
1D:							
Austinville	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.50	Too Clayey	0.00
		Too acid	0.89	Slope	0.50		
1E:							
Austinville	80	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.89	Shrink-swell	0.50		
2E:							
Austinville	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Too acid	0.89	Shrink-swell	0.50		
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
3D:							
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
3D:							
Weikert	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00
4B:							
Botetourt	75	Fair		Poor		Fair	
		Too acid	0.84	Low strength	0.00	Depth to saturated zone	0.53
				Depth to saturated zone	0.53	Hard to reclaim	0.68
				Shrink-swell	>0.99	Rock fragments	0.88
Wet spots		Not Rated		Not Rated		Not Rated	
4C:							
Botetourt	75	Fair		Poor		Fair	
		Too acid	0.84	Low strength	0.00	Depth to saturated zone	0.53
				Depth to saturated zone	0.53	Slope	0.63
				Shrink-swell	>0.99	Hard to reclaim	0.68
Wet spots		Not Rated		Not Rated		Not Rated	
5E:							
Brushy	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50	Cobble content	0.90	Depth to bedrock	0.54
6E:							
Calvin	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.54			Depth to bedrock	0.54
7C:							
Carbo	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.01	Low strength	0.00	Depth to bedrock	0.54
		Low content of organic matter	0.13	Shrink-swell	0.71	Slope	0.63
7D:							

Table ENG-2. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7D:							
Carbo	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.01	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Slope	0.50	Depth to bedrock	0.54
8D:							
Carbo	45	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.01	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.71	Depth to bedrock	0.54
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
8E:							
Carbo	45	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.01	Slope	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Depth to bedrock	0.54
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
9E:							
Carbo	45	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.01	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Depth to bedrock	0.54
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
10C:							
Chiswell	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Depth to bedrock	0.00	No shrink-swell limitation	>0.99	Depth to bedrock	0.00
		Low content of organic matter	0.13			Slope	0.63
Litz	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.54
		Too acid	0.50			Slope	0.63

Table ENG-2. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10C:							
Groseclose	20	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.65	Too Clayey	0.00
		Low content of organic matter	0.13			Too acid	0.60
		Too acid	0.50			Slope	0.63
10D:							
Chiswell	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.50	Rock fragments	0.00
		Low content of organic matter	0.13	No shrink-swell limitation	>0.99	Depth to bedrock	0.00
Litz	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
Groseclose	20	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.65	Too Clayey	0.00
		Too acid	0.50			Too acid	0.60
10E:							
Chiswell	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13	No shrink-swell limitation	>0.99	Depth to bedrock	0.00
Litz	25	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
Groseclose	20	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.65	Too Clayey	0.00
		Too acid	0.50			Too acid	0.60
11D:							
Dekalb	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50	Cobble content	0.94	Depth to bedrock	0.54

Table ENG-2. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
11E:							
Dekalb	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50	Cobble content	0.94	Depth to bedrock	0.54
12B:							
Derroc	80	Fair		Poor		Poor	
		Cobble content	0.01	Cobble content	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
		Droughty	0.72				
13D:							
Drypond	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13	No shrink-swell limitation	>0.99	Depth to bedrock	0.00
Rock outcrop	35	Not Rated		Not Rated		Not Rated	
13E:							
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
Drypond	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13	No shrink-swell limitation	>0.99	Depth to bedrock	0.00
14:							
Dumps	100	Not Rated		Not Rated		Not Rated	
15B:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Too acid	0.98
		Too acid	0.54				
15C:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Slope	0.63
		Too acid	0.54			Too acid	0.98
15D:							

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15D:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.87	Too acid	0.98
15E:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.87	Too acid	0.98
15F:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.87	Too acid	0.98
16B:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Too acid	0.98
		Too acid	0.54				
16C:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Slope	0.63
		Too acid	0.54			Too acid	0.98
16D:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.87	Too acid	0.98
16E:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.87	Too acid	0.98

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17C:							
Frederick	50	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Too acid	0.98
		Too acid	0.54				
Urban land	40	Not Rated		Not Rated		Not Rated	
18E:							
Greenlee	75	Poor		Poor		Poor	
		Cobble content	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Cobble content	0.00	Hard to reclaim	0.00
		Too acid	0.50			Rock fragments	0.00
19B:							
Ingledove	80	Fair		Poor		Good	
		Low content of organic matter	0.13	Low strength	0.00		
		Too acid	0.89	Shrink-swell	0.99		
20B:							
Ingledove	50	Fair		Poor		Good	
		Low content of organic matter	0.13	Low strength	0.00		
		Too acid	0.89	Shrink-swell	0.99		
Urban land	30	Not Rated		Not Rated		Not Rated	
21D:							
Konnarock	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.54	Slope	0.00	Rock fragments	0.00
		Too acid	0.54			Depth to bedrock	0.54
21E:							
Konnarock	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.54	Slope	0.00	Rock fragments	0.00
		Too acid	0.54			Depth to bedrock	0.54
22B:							
Laidig	80	Poor		Poor		Fair	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.50
		Low content of organic matter	0.13	Shrink-swell	>0.99	Too acid	0.60
		Too acid	0.50			Rock fragments	0.88

22C:

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22C:							
Laidig	80	Fair		Poor		Fair	
		Droughty	0.01	Depth to cemented	0.00	Depth to cemented	0.54
		Low content of organic matter	0.13	pan		pan	
		Too acid	0.50	Shrink-swell	>0.99	Too acid	0.60
						Slope	0.63
22D:							
Laidig	80	Fair		Poor		Poor	
		Droughty	0.01	Depth to cemented	0.00	Slope	0.00
		Low content of organic matter	0.13	pan		Depth to cemented	0.54
		Too acid	0.50	Slope	0.50	pan	
				Shrink-swell	>0.99	Too acid	0.60
23C:							
Laidig	80	Fair		Poor		Fair	
		Droughty	0.01	Depth to cemented	0.00	Depth to cemented	0.54
		Low content of organic matter	0.13	pan		pan	
		Too acid	0.50	Shrink-swell	>0.99	Too acid	0.60
						Slope	0.63
23D:							
Laidig	80	Fair		Poor		Poor	
		Droughty	0.01	Depth to cemented	0.00	Slope	0.00
		Low content of organic matter	0.13	pan		Depth to cemented	0.54
		Too acid	0.50	Slope	0.50	pan	
				Shrink-swell	>0.99	Too acid	0.60
24C:							
Lily	75	Fair		Poor		Fair	
		Low content of organic matter	0.13	Depth to bedrock	0.00	Depth to bedrock	0.54
		Droughty	0.15	Low strength	0.78	Too acid	0.60
		Too acid	0.50	No shrink-swell limitation	>0.99	Slope	0.63
24D:							
Lily	75	Fair		Poor		Poor	
		Low content of organic matter	0.13	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.15	Slope	0.50	Depth to bedrock	0.54
		Too acid	0.50	Low strength	0.78	Too acid	0.60
24E:							
Lily	75	Fair		Poor		Poor	
		Low content of organic matter	0.13	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.15	Slope	0.00	Depth to bedrock	0.54
		Too acid	0.50	Low strength	0.78	Too acid	0.60
25A:							

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25A:							
Maurertown	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88	Low strength	0.00	Too Clayey	0.00
		Water erosion	0.90	Shrink-swell	0.65		
26A:							
Melvin	75	Fair		Poor		Poor	
		Low content of organic matter	0.68	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.90	Low strength	0.00		
				Shrink-swell	>0.99		
27D:							
Newbern	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.50	Depth to bedrock	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
Westmoreland	35	Fair		Poor		Poor	
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.00
		Too acid	0.54	Depth to bedrock	0.26	Hard to reclaim	0.00
		Water erosion	0.99	Slope	0.50	Rock fragments	0.50
27E:							
Newbern	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
Westmoreland	35	Fair		Poor		Poor	
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Too acid	0.54	Low strength	0.00	Hard to reclaim	0.00
		Water erosion	0.99	Depth to bedrock	0.26	Rock fragments	0.50
28:							
Pits	100	Not Rated		Not Rated		Not Rated	
29C:							
Poynor	75	Fair		Poor		Poor	
		Low content of organic matter	0.13	Low strength	0.00	Rock fragments	0.00
		Too acid	0.50	Shrink-swell	>0.99	Slope	0.63
		Droughty	0.85			Too acid	0.76

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
29D:							
Poynor	75	Fair		Poor		Poor	
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.00
		Too acid	0.50	Slope	0.50	Rock fragments	0.00
		Droughty	0.85	Shrink-swell	>0.99	Too acid	0.76
29E:							
Poynor	75	Fair		Poor		Poor	
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Too acid	0.50	Low strength	0.00	Rock fragments	0.00
		Droughty	0.85	Shrink-swell	>0.99	Too acid	0.76
30F:							
Rock outcrop	60	Not Rated		Not Rated		Not Rated	
Newbern	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
31B:							
Shelocta	75	Fair		Poor		Fair	
		Too acid	0.50	Low strength	0.00	Rock fragments	0.88
				Depth to bedrock	0.00	Too acid	0.88
						Hard to reclaim	0.96
31C:							
Shelocta	100	Fair		Poor		Fair	
		Too acid	0.50	Low strength	0.00	Slope	0.63
				Depth to bedrock	0.00	Rock fragments	0.88
						Too acid	0.88
31D:							
Shelocta	100	Fair		Poor		Poor	
		Too acid	0.50	Low strength	0.00	Slope	0.00
				Depth to bedrock	0.00	Rock fragments	0.88
				Slope	0.50	Too acid	0.88
31E:							
Shelocta	100	Fair		Poor		Poor	
		Too acid	0.50	Slope	0.00	Slope	0.00
				Low strength	0.00	Rock fragments	0.88
				Depth to bedrock	0.00	Too acid	0.88
32B:							

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
32B:							
Shottower	80	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.60	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	>0.99	Rock fragments	0.50
		Too acid	0.50			Too acid	0.76
32C:							
Shottower	80	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.60	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	>0.99	Rock fragments	0.50
		Too acid	0.50			Slope	0.63
32D:							
Shottower	80	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.08	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.60	Too Clayey	0.00
		Too acid	0.50	Low strength	>0.99	Rock fragments	0.50
33A:							
Sindion	75	Good		Fair		Fair	
				Depth to saturated zone	0.76	Depth to saturated zone	0.76
				No shrink-swell limitation	>0.99	Hard to reclaim	0.88
Melvin		Not Rated		Not Rated		Not Rated	
34:							
Slickens	100	Not Rated		Not Rated		Not Rated	
35A:							
Speedwell	80	Good		Fair		Fair	
				Low strength	0.78	Rock fragments	0.88
						Hard to reclaim	0.98
36D:							
Sylco	60	Fair		Poor		Poor	
		Droughty	0.20	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.50	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.54	No shrink-swell limitation	>0.99	Depth to bedrock	0.54
Sylvatus	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00

36E:

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
36E:							
Sylco	60	Fair		Poor		Poor	
		Droughty	0.20	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.50	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.54	No shrink-swell limitation	>0.99	Depth to bedrock	0.54
Sylvatus	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00
37B:							
Tate	75	Fair		Poor		Fair	
		Too acid	0.68	Low strength	0.00	Hard to reclaim	0.13
		Low content of organic matter	0.88			Rock fragments	0.96
38B:							
Timberville	75	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Low content of organic matter	0.13	Shrink-swell	0.84	Too acid	0.92
		Too acid	0.50				
39B:							
Tumbling	75	Fair		Fair		Fair	
		Too clayey	0.08	Shrink-swell	0.78	Too Clayey	0.05
		Low content of organic matter	0.13	Low strength	>0.99	Rock fragments	0.88
		Too acid	0.32			Hard to reclaim	0.88
39C:							
Tumbling	75	Fair		Fair		Fair	
		Too clayey	0.08	Shrink-swell	0.78	Too Clayey	0.05
		Low content of organic matter	0.13	Low strength	>0.99	Slope	0.63
		Too acid	0.32			Rock fragments	0.88
39D:							
Tumbling	75	Fair		Fair		Poor	
		Too clayey	0.08	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.78	Too Clayey	0.05
		Too acid	0.32	Low strength	>0.99	Rock fragments	0.88
39E:							

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
39E:							
Tumbling	75	Fair		Poor		Poor	
		Too clayey	0.08	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.78	Too Clayey	0.05
		Too acid	0.32	Low strength	>0.99	Rock fragments	0.88
40C:							
Tumbling	75	Fair		Fair		Fair	
		Too clayey	0.08	Shrink-swell	0.78	Too Clayey	0.05
		Low content of organic matter	0.13	Low strength	>0.99	Slope	0.63
		Too acid	0.32			Rock fragments	0.88
40D:							
Tumbling	75	Fair		Fair		Poor	
		Too clayey	0.08	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.78	Too Clayey	0.05
		Too acid	0.32	Low strength	>0.99	Rock fragments	0.88
40E:							
Tumbling	75	Fair		Poor		Poor	
		Too clayey	0.08	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.78	Too Clayey	0.05
		Too acid	0.32	Low strength	>0.99	Rock fragments	0.88
41:							
Udorthents	60	Not Rated		Not Rated		Not Rated	
Urban land	40	Not Rated		Not Rated		Not Rated	
42E:							
Weikert	60	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00
Berks	40	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
43B:							

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43B:							
Wheeling	75	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Rock fragments	0.88
		Too acid	0.74	No shrink-swell limitation	>0.99		
		Water erosion	0.99				
44B:							
Wheeling	50	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Rock fragments	0.88
		Too acid	0.74	No shrink-swell limitation	>0.99		
		Water erosion	0.99				
Urban land	40	Not Rated		Not Rated		Not Rated	
45A:							
Wolfgap	75	Good		Good		Fair	
						Rock fragments	0.88
46C:							
Wurno	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.54
		Depth to bedrock	0.54			Slope	0.63
Newbern	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.00
		Low content of organic matter	0.13			Slope	0.63
46D:							
Wurno	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Depth to bedrock	0.54			Depth to bedrock	0.54
Newbern	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.50	Depth to bedrock	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
46E:							

Table ENG-2. - Construction Materials - Continued

Smyth County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
46E:							
Wurno	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.54			Depth to bedrock	0.54
Newbern	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Depth to bedrock	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
47B:							
Wyrick	40	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.87		
Marbie	35	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Hard to reclaim	0.01
		Low content of organic matter	0.13	Shrink-swell	0.89	Rock fragments	0.50
		Water erosion	0.99			Too acid	0.60
47C:							
Wyrick	40	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.87	Slope	0.63
Marbie	35	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Hard to reclaim	0.01
		Low content of organic matter	0.13	Shrink-swell	0.89	Rock fragments	0.50
		Water erosion	0.99			Too acid	0.60
47D:							
Wyrick	40	Fair		Poor		Poor	
		Too acid	0.12	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too acid	0.60
				Shrink-swell	0.87		
Marbie	35	Fair		Poor		Poor	
		Too acid	0.12	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Hard to reclaim	0.01
		Water erosion	0.99	Shrink-swell	0.89	Rock fragments	0.50
W:							
Water	100	Not Rated		Not Rated		Not Rated	